

WYV-S Digital Refractometer



WYV-S Digital Refractometer is the leading refractometer featuring wide range, high-precision and multi-wavelength. It can fast and accurately measure the refractive index, average dispersive partial dispersion (i e the refractive index of eight common wavelengths, including 706.5, 656.3, 589.3 587.6 546.1 486.1, 435.8 404.7nm) and sugar solution mass fraction (Brix) for transparent or translucent solid or liquid substances. The instrument has following features and functions, such as user-friendly interface, fast test speed, good repeatability, temperature correction, data storage, U disk storage and USB communication interface.

Specifications

| Parameters/ Model | WYV-S |
|----------------------|--|
| Measurement | Refractive index ND:1.30000-1.70000 (liquid) Refractive index ND: 1.30000-1.95000 (solid) Brix: 0-100% |
| Accuracy | Refractive index ND: $\pm 5 \times 10^{-5}$ Brix 0.01 % |
| Measuring Resolution | Refractive index ND: 1×10^{-6} Brix 0.01 % |

| | |
|---|--|
| Wavelengths | 706.5nm, 656.3nm, 589.3nm, 587.6nm, 546.1nm, 486.1nm |
| Light Source | Hydrogen lamp/ Sodium lamp/ Helium lamp |
| Temperature Display Range | 0-50°C |
| Magnification of the telescope objectives | 5x |
| Display | 5.6 inch color touch screen |
| Interface | RS232/USB/U disk |
| Weight (Gross) | 80kg |
| Overall dimensions | 720mm x 550mm x 550mm |

-